

Cargo.toml — Key Dependencies

Crate	Purpose
<code>tauri</code>	Desktop app framework, with <code>protocol-asset</code> and <code>devtools</code> features
<code>tokio</code> (full)	Async runtime for all network and I/O tasks
<code>prost</code>	Protobuf encode/decode
<code>gstreamer</code> / <code>gstreamer-app</code>	Video pipeline
<code>warp</code>	MJPEG HTTP server
<code>gilrs</code>	Gamepad/controller input
<code>request</code> (blocking)	HTTP client used to capture video snapshots
<code>serde</code> / <code>serde_json</code>	Serialisation for Tauri events and commands
<code>anyhow</code>	Ergonomic error handling across async code
<code>dirs</code>	Cross-platform system directory paths (cache dir)
<code>chrono</code>	Date/time (available for timestamps)
<code>bytes</code>	Zero-copy byte buffer for GStreamer frame sharing
<code>once_cell</code>	Handling threads of dummy data
<code>rand</code>	For generating random numbers (for dummy data)
<code>socket2</code>	For creating a socket with custom options
<code>tobj</code>	For handling maps with <code>.obj</code> format
<code>las</code>	For handling maps with <code>.las</code> format
<code>nalgebra</code>	For handling the computing the height map

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